Arizona State University
ASU Main Campus
1999-2000 TRANSFER GUIDE
FOR THE MARICOPA COMMUNITY COLLEGES
Bachelor of Science in Engineering
Aerospace Engineering

The Arizona resident applicant for transfer admission must meet competency requirements and have a cumulative grade point average (GPA) of 2.00 on a four-point (A) scale in all college level work and be in good standing and eligible to return to the last institution attended. Students who have less than 24 semester transfer credits must also meet competency requirements. Arizona residents who have completed an Arizona General Education Curriculum (AGEC) or an associate degree with a minimum 2.00 GPA in the AGEC or associate degree are exempt from admission requirements. A maximum of 64 semester credit hours will be accepted when transferred from community colleges; all transferable community college credits are accepted as lower-division credits and do not satisfy upper-division General Studies or graduation requirements.

The Aerospace Engineering undergraduate curriculum includes the study of flight mechanics, aerospace structures and materials, aerodynamics and propulsion. These subjects provide the foundation necessary for design of aircraft and space vehicles. Prospective students may call 480/965-7788 (toll free numbers for applicants: 1-800-252-ASU1 out of state and 1-800-325-9371 in state) or write to the Undergraduate Admissions Office for information including application materials. For more information, call or write:
(480) 965-3291
Vice Chair for Aerospace Engineering
Department of Mechanical and Aerospace Engineering
College of Engineering and Applied Sciences
Arizona State University
Tempe, Arizona 85287-6106

SCHOOL OF ENGINEERING ADMISSION CRITERIA
In addition to the University admission requirements, transfer students must also consider the following:
1. A minimum of 2.50 cumulative GPA is required from community college transfer students.
2. Students whose native language is not English must also submit a TOEFL score of 550 points in addition to meeting the minimum GPA requirements.
3. Transfer students are encouraged to have completed science and math courses applicable to the engineering degree.
4. A preprofessional category of admission is available for applicants deficient in School of Engineering admission requirements.
5. Students admitted to the preprofessional program are restricted to lower-division coursework. After completing a minimum of 30 semester hours of required or approved elective courses with a cumulative minimum GPA of 2.50, one may apply for admission to the professional program. The cumulative GPA is calculated using all credits from ASU and from all other colleges and universities attended.

Transfer value of a course, including General Studies value, is governed by the Course Equivalency Guide (CEG) in force at the time the course is taken. Summer session is included with the previous academic year. Community college courses which are equivalent in content to upper division courses at ASU will be Transferable as equivalent but with lower division credit. The course need not be repeated but will not count toward the required number of upper division credit hours.

FIRST YEAR COMPOSITION (3-6)

**ASU**
- ENG 101 & 102 First-Year Comp
- ENG 105 Adv First-Year Comp
- ENG 107 & ENG 108 Eng Foreign Students

**MCCCD**
- ENG 101 & 102 First-Year Composition
- No MCCCD equivalent
- ENG 107 & ENG 108 First-Yr Comp for ESL

GENERAL STUDIES REQUIREMENTS

Students completing the Arizona General Education Curriculum (AGEC) will still be required to fulfill lower division program requirements and prerequisites within their college and major/minor area of study. In all cases, students have the responsibility for selecting general education coursework that is relevant to the requirements of their intended major and degree.

Students in an engineering program must complete 16 hours of Humanities (HU) and Social/Behavioral Sciences (SB) courses. One course must be taken at ASU, as it must be upper division. In your selection of HU and SB credits, two courses must be from the same department (or have the same prefix). Select credits from CEG General Studies Insert as follows: 6 or 7 HU credits, 6 or 7 SB credits (which must include those that transfer as ECN 111 or ECN 112), 6 credits that meet C, G and H. It is beneficial for students to select HU or SB courses that concurrently satisfy C, G or H requirements. Additional and/or mandated General Studies requirements, if any, are listed in the Major Requirements section below with designation in brackets, e.g. [N3].
### MAJOR REQUIREMENTS

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<tr>
<th>ASU</th>
<th>MCCC</th>
<th>No MCCC equivalent</th>
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<tbody>
<tr>
<td>CHM 114 Gen Chemistry for Engineers [S1/S2] or CHM 113 General Chemistry [S1/S2] and CHM 116 General Chemistry [S1/S2]</td>
<td>CHM 151 General Chemistry I &amp; CHM 151LL General Chemistry I Lab CHM 152 General Chemistry II &amp; CHM 152LL General Chemistry II Lab</td>
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<tr>
<td>ECN 111 Macroeconomic Principles [SB] or ECN 112 Microeconomic Principles</td>
<td>ECN 111 Macroeconomic Principles</td>
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<td>MAT 242 Elementary Linear Algebra</td>
<td>MAT 225 Elementary Linear Algebra*</td>
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<tr>
<td>MAT 270 Cal/Analytic Geo I [N1]</td>
<td>MAT 220 Analytic Geom &amp; Calc I</td>
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<td>MAT 271 Cal/Analytic Geo II [N1]</td>
<td>MAT 221 Calc Analytic Geom I</td>
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<tr>
<td>MAT 272 Cal/Analytic Geo III [N1]</td>
<td>MAT 230 Calc Analytic Geo II</td>
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<td>MAT 274 Elem Diff Equations [N1]</td>
<td>MAT 241 Calc Analytic Geo III</td>
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**ENGINEERING CORE**

| ECE 100 Intro Engrg Design [N3] | ECE 102 Eng Analysis Tools/Tech & ECE 103 Engr Problm Solve/Design |
| ECE 102 Eng Analysis Tools/Tech & ECE 103AB Engr Problm Solve/Design | ECE 102 Eng Analysis Tools/Tech & ECE 103 Engr Problm Solve/Design |
| ECE 102 Eng Analysis Tools/Tech & ECE 103AB Engr Problm Solve/Design | ECE 102AA Eng Analysis Tools/Tech & ECE 103 Engr Problm Solve/Design |
| ECE 210 Engr Mech I:Statics | ECE 211 Engineering Mech-Statics |
| ECE 312 Engr Mech II:Dynamics | ECE 212 Engineering Mech-Dynamic |

Approved by Marilyn L. Hart
Coordinator, Academic Administration

1. Although a course may satisfy a core area requirement and an awareness area requirement concurrently, a course may **not** be used to satisfy requirements in two core areas simultaneously. In order to meet all three awareness areas (C, G, H), courses may be selected that simultaneously meet more than one area; however, a minimum of two different courses (6 credits) must be taken.

2. When selecting HU or SB core courses, students must keep in mind that A. two courses from the same department must be taken in either core area; B. courses from at least two departments must be taken. These two conditions may, but need not be satisfied in the same core area. At least one course within the 16 semester hours **must** be an upper-division course taken only at ASU.